

# NJ DEPARTMENT OF TRANSPORTATION

#### RESEARCH LIBRARY

#### SELECTED RECENT ACQUISITIONS

**July 2006 – September 2006** 

The topics represented in this issue are in the following order: Planning and Administration, Aviation, Bicycles and Pedestrians, Bridges and Structures, Communications, Construction, Energy and Environment, Freight/Goods Movement, Geotechnical, GIS/GPS, Highway Design, Human Resources, Information Management, Intelligent Transportation Systems (ITS), Marine, Materials, Operations and Maintenance, Pavements, Quality, Rail, Research, Safety and Human Performance, Security, State Specifications, Technology Transfer, Traffic, Transit, Work Zones, and Reference.

## **Planning and Administration**

2005-2006 Annual Report / Hart Commuter Information Services -- Flemington, NJ: HART, 2006

The Connection Between Land Use and Transportation in Land Use Plans [CD-ROM] / Daniel A. Rodriguez et al. -- Chapel Hill, NC: University of North Carolina, Chapel Hill, Dept. of City and Regional Planning; Raleigh, NC: North Carolina Dept. of Transportation, Research and Analysis Group, November 2004 (FHWA/NC/2004-08)

*The Cost of Urban Congestion in Canada /* Transport Canada -- Ottawa, ON, Canada : Transport Canada, March 2006

The Fuel Tax and Alternatives for Transportation Funding / Transportation Research Board -- Wash., DC: TRB, 2006 (Special Report 285)

*The Interstate Achievement: Getting There and Beyond* / Transportation Research Board -- Wash., DC: TRB, May-June 2006 (Number 244)

A New Approach to Assessing Road User Charges / David J. Forkenbrock and Jon G. Kuhl -- Iowa City, IA: University of Iowa, Public Policy Center; St. Paul, MN: Minnesota Dept. of Transportation, Research Services Section, July 2002 (MN/RC-2003-30) Report available in electronic format only [http://www.lrrb.org/PDF/200330.pdf]

*New Jersey's New Economy Growth Challenges: Rutgers Regional Report* / James W. Hughes and Joseph J. Seneca -- New Brunswick, NJ: Rutgers, The State University of New Jersey, Edward J. Bloustein School of Planning and Public Policy, July 2006 (Issue Paper Number 25)

*Statewide Travel Forecasting Models* / Alan Horowitz -- Wash., DC: Transportation Research Board, 2006 (NCHRP Synthesis 358)

Survey the Public to Assess Perception of the Performance of the South Carolina Department of Transportation: Executive Summary / South Carolina Dept. of Transportation -- Columbia, SC: SCDOT, April 2006 (FHWA-SC-06-04)

*Transportation in Rural America...Challenges and Opportunities* / James L. Oberstar -- Minneapolis, MN: University of Minnesota, June 2004

#### **Aviation**

Evacuation Commands for Optimal Passenger Management / Lauren J. Thomas, Sophie O'Ferrall, and Antoinette Caird-Daley -- Canberra City, Australia: Australian Transport Safety Bureau, April 2006 (Report available in electronic format only) [http://www.atsb.gov.au/publications/2006/pdf/grant\_20040239.pdf]

## **Bicycles and Pedestrians**

*Bikeways to Prosperity, Assessing the Economic Impact of Bicycle Facilities* / Judson J. Lawrie et al. -- Raleigh, NC: North Carolina Dept. of Transportation, January-February 2006 (TR News 242)

*Evaluation of Safety, Design, and Operation of Shared-Use Paths: Final Report* / J.E. Hummer et al. -- Raleigh, NC: North Carolina State University, Dept. of Civil, Construction, and Environmental Engineering; McLean, VA: Federal Highway Administration, Office of Safety Research and Development, July 2006 (FHWA-HRT-05-137)

*Shared-Use Path Level of Service Calculator: A Users Guide* / R.S. Patten et al. -- Raleigh, NC: North Carolina State University, Dept. of Civil, Construction, and Environmental Engineering; McLean,. VA: Federal Highway Administration, Office of Safety Research and Development, July 2006 (FHWA-HRT-05-138)

# **Bridges and Structures**

Assessing Stream Channel Stability at Bridges in Physiographic Regions / Peggy A. Johnson -- University Park, PA: Pennsylvania State University, Dept. of Civil and Environmental Engineering; McLean, VA: Federal highway Administration, Office of Infrastructure Research and Development, Federal Highway Administration, July 2006 (FHWA-HRT-05-072)

**Best Practices for the Rehabilitation and Moving of Historic Metal Truss Bridges** / W.T. McKeel, et al. -- Charlottesville, VA: Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-R31)

*Bridge Rating Practices and Policies for Overweight Vehicles* / Gongkang Fu and Clementine Fu - Wash., DC: Transportation Research Board, 2006 (NCHRP Synthesis 359)

**Development of LRFD Specifications for Horizontally Curved Steel Girder Bridges** / John M. Kulicki et al. -- Wash., DC: Transportation Research Board, 2006 (NCHRP Report 563)

**Development of Pot Bearing Standards** / Eric L. Martz -- Harrisburg, PA: Michael Baker Jr., Inc.; Pennsylvania Dept. of Transportation, Bureau of Planning and Research, May 2006 (FHWA-PA-2006-002-030307)

**Downstream Effects of Culverts and Bridge Replacement** / Bruce M. McEnroe -- Lawrence, KS: University of Kansas, Civil, Environmental & Architectural Engineering Dept.; Topeka, KS: Kansas Dept. of Transportation, Bureau of Materials and Research, May 2006 (K-TRAN: KU-04-9)

*Dynamic Analysis and Testing of a Curved Girder Bridge* / Matthew R. Tilley, Furman W. Barton, and Jose P. Gomez -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, May 2006 (FHWA/VTRC 06-R32)

Elimination of Deck Joints Using a Corrosion-Resistant FRP Approach / Guoqiang Li and Aziz Saber -- Baton Rouge, LA: Louisiana Transportation Research Center, July 2006 (Research Project 06-2ST)

*Evaluation of Stay-in-Place Metal Forms* / Douglas Nims and Nabil Grace -- Toledo, OH: University of Toledo, Dept. of Civil Engineering; Columbus, OH: Ohio Dept. of Transportation, November 15, 2003 (FHWA/OH-2006/13) Report available electronically [http://www.dot.state.oh.us/research/2006/Structures/14789-ES.pdf]

Feasibility of Tubular Fender Units for Pier Protection Against Vessel Collision / George Z. Voyiadjis and Farid Abed -- Baton Rouge, LA: Louisiana Transportation Research Center, July 2006 (Research Project Capsule 06-1ST)

*Field Inspection of In-Services FRP Bridge Decks* / Niket M. Telang et al. -- Washington, DC: Transportation Research Board, 2006 (NCHRP Report 564)

Field Measurements on Skewed Semi-Integral Bridge with Elastic Inclusion: Instrumentation Report / Edward J. Hoppe -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (FHWA/VTRC 06-R35)

*Field Monitoring of Integral Abutment Bridges* / Jeffery A. Laman, Kongsak Pugasap, and WooSeok Kim -- University Park, PA: Pennsylvania State University, Pennsylvania Transportation Institute; Harrisburg, PA: Pennsylvania Dept. of Transportation, Bureau of Planning and Research, July 2006 (FHWA-PA-2006-006-510401-01)

Field Verification for the Effectiveness of Continuity Diaphragms for Skewed Continuous Precast Prestressed Concrete Girder Bridges / Aziz Saber -- Baton Rouge, LA: Louisiana Transportation Research Center, August 2006 (Research Project Capsule 06-3ST)

Further Use of Spread Footing Foundations for Highway Bridges: Executive Summary Report / Shad M. Sargand and Teruhisa Masada -- Athens, OH: Ohio University, Dept. of Civil Engineering; Columbus, OH: Ohio Dept. of Transportation, April 2006 (FHWA-OH-2006/8)

A Laboratory and Field Study of Composite Piles for Bridge Substructures / Miguel A. Pando et al. -- Charlottesville, VA: Virginia Transportation Research Council; McLean, VA: Federal Highway Administration, Office of Infrastructure R&D, March 2006 (FHWA-HRT-04-043)

*Maintenance and Management of Bridge Structures* / TRB -- Wash., DC : National Academy Pr., 1998 (Transportation Research Record No. 1642)

*Performance Specification for High Performance Concrete Overlays on Bridges* / Michael M. Sprinkel -- Charlottesville, VA: Virginia Transportation Research Council; Charlottesville, VA: Virginia Dept. of Transportation, August 2004 (VTRC 05-R2)

**Protocol for Selecting ASR-Affected Structures for Lithium Treatment** [TechBrief] / Federal Highway Administration -- McLean, VA: U.S. Department of Transportation, Turner-Fairbank Highway Research Center, February 2006 (FHWA-HRT-06-071)

**Rock-Socketed Shafts for Highway Structure Foundations** / John Turner -- Wash., DC: Transportation Research Board, 2006 (NCHRP Synthesis 360)

Scour at Contracted Bridges / C.R. Wagner et al. -- Louisville, KY: University of Louisville; Washington, DC: Transportation Research Board, March 2006 (NCHRP Web-only Document 83, Project 24-14) Available in electronic format only [http://trb.org/news/blurb\_detail.asp?id=5994]

*Sealing of Small Movement Bridge Expansion Joints* / Ramesh B. Malla et al. -- Storrs, CT: University of Connecticut, Dept. of Civil and Environmental Engineering; Fall River, MA: University of Massachusetts Dartmouth, New England Transportation Consortium, June 29, 2006 (NETCR 58)

Selecting Candidate Structures for Lithium Treatment: What to Provide the Petrographer Along with Concrete Specimens [TechBrief] / Federal Highway Administration -- McLean, VA: U.S. Department of Transportation, Turner-Fairbank Highway Research Center, February 2006 (FHWA-HRT-06-069)

Storage Effects at Culverts / Bruce M. McEnroe and Scott A. Gonzalez -- Lawrence, KS: University of Kansas, Civil, Environmental & Architectural Engineering Dept.; Topeka, KS: Kansas Dept. of Transportation, Bureau of Materials and Research, May 2006 (K-TRAN: KU-04-3)

Transverse Cracking of High Performance Concrete Bridge Decks After One Season or Six to Eight Months: Executive Summary Report / Richard Miller and Amir Mirmiran -- Columbus, OH: Ohio Dept. of Transportation, October 2005

## **Communications**

Formulate Approach for 511 Implementation in New England / Paul Shuldiner, Gregg Loane, and Randy Knapick -- Amherst, MA: University of Massachusetts, Transportation Center; Fall River, MA: University of Massachusetts Dartmouth, New England Transportation Consortium, October 13, 2005 (NETCR 44)

## **Construction**

*Construction 2006* / Transportation Research Board -- Washington, DC : TRB, 2006 (Transportation Research Record No. 1946)

*Field Evaluation of Compaction Monitoring Technology: Phase I* / David J. White et al. -- Ames, IA: Iowa State University, Center for Transportation Research and Education; Ames, IA: Iowa Dept. of Transportation, September 2004 (Project TR-495) Report available in electronic format [http://www.ctre.iastate.edu/reports/tr495.pdf]

Road Utility Cuts Project, Volume I: Research and Development Study / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, July 2004 (Report B-5506.27)

**Road Utility Cuts Project, [Volume II]: FERF I Test Sections** / Vincent C. Janoo, Edel R. Cortez, and Robert A. Eaton -- [Hanover, NH]: US Army Corps of Engineers, Cold Regions Research and Engineering Laboratory, [2004?]

**Road Utility Cuts Project, [Volume III]: FERF II Test Sections** / Edel R. Cortez and Gregory Brentrup -- [Hanover, NH]: US Army Corps of Engineers, Cold Regions Research and Engineering Laboratory, [2004?]

Road Utility Cuts Project, Volume IV: Field Investigation - Ottawa Site / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, December 2003 (Report B-5506.21)

Road Utility Cuts Project, Volume V: Field Investigation - Chicago Site / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, January 2004 (Report B-5506.22)

**Road Utility Cuts Project, Volume VI: Field Investigation - Los Angeles Site** / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, October 2003 (Report B-5506.20)

Road Utility Cuts Project, Volume VII: Field Investigation - Toronto Site / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, April 2004 (Report B-5506.25)

Road Utility Cuts Project, Volume VIII: Field Investigation - New Jersey Site / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, January 2004 (Report B-5506.26)

**Road Utility Cuts Project, Volume IX: Restoration Guide** / El Hussein H. Mohamed et al. -- Ottawa, Ontario, Canada: National Research Council Canada, Institute for Research in Construction, January 2004 (Report B-5506.28)

#### **Energy and Environment**

*Distribution of Freshwater Mussel Populations in Relationship to Crossing Structures* [CD-ROM] / NCDOT -- Raleigh, NC : North Carolina Dept. of Transportation , November 2003 (FHWA/NC/2003-02)

*Dyed Diesel Education and Enforcement* / Robert S. Done -- Tucson, AZ : Data Methods Corporation ; Phoenix, AZ : Arizona Dept. of Transportation, July 2006 (FHWA-AZ-06-578)

*EMS, A Bridge for Organizational Coordination and Communications* / American Association of State Highway and Transportation Officials -- Wash., DC: AASHTO, Center for Environmental Excellence, May 2004 (EMS Implementation Handy Guide Number Two)

Evaluating Speed Differences Between Passenger Vehicles and Heavy Trucks for Transportation-Related Emissions Modeling / Shauna L. Hallmark and Hillary Isebrands -- Ames, IA: Iowa State University, Center for Transportation Research and Education; Wash., DC: Federal Highway Administration, July 2004 (DTFH61-03-P-00336) Report available in electronic format [http://www.ctre.iastate.edu/reports/truck\_speed.pdf]

*Healthy Waters: What Every Health Professional Should Know About Water* / Mike Magee -- Bronxville, NY: Spencer Books, 2005 (ISBN 1-889793-16-7)

*Mapping the Rainfall Event for Stormwater Quality Control* / C. Bryan Young -- Lawrence, KS: University of Kansas, Civil, Environmental & Architectural Engineering Dept.; Topeka, KS: Kansas Dept. of Transportation, July 2006 (K-TRAN: KU-03-1)

Methodology to Assess Soil, Hydrologic, and Site Parameters that Affect Wetland Restoration [CD-ROM] / M.J. Vepraskas et al. -- Raleigh, NC: North Carolina State University, Dept. of Soil Science; Wash., DC: U.S. Dept. of Transportation, Research and Special Programs Administration, June 2005 (FHWA/NC/2003-06) (www.ncdot.org/~research)

*New Jersey Conservation Foundation, Annual Report 2005* / New Jersey Conservation Foundation -- Far Hills, NJ: the Foundation, 2006

Particulate Matter Emissions from Hybrid Diesel-Electric and Conventional Diesel Transit Buses: Fuel and Aftertreatment Effects / Britt A. Holmen et al. -- Storrs, CT: University of Connecticut, Connecticut Transportation Institute; Rocky Hill, CT: Connecticut Dept. of Transportation, Office of Research and Materials, August 2005 (JHR 05-304)

Strategies for Impediment Rehabilitation to Create Fish Passage Opportunities in the Rappahannock River Basin / Stephen P. McIninch and Greg C. Garman -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2004 (VTRC 04-CR2)

Technologies to Improve Consideration of Environmental Concerns in Transportation Decisions / National Cooperative Highway Research Program -- Wash., DC : NCHRP, June 2006 (Research Results Digest 304)

Tires and Passenger Vehicle Fuel Economy: Informing Consumers, Improving Performance / TRB Committee for the National Tire Efficiency Study -- Wash., DC: Transportation Research Board, 2006 (TRB Special Report 286)

#### **Freight / Goods Movement**

*Ohio Freight Mobility, Access, and Safety Strategies* / Ohio Dept. of Transportation, Office of Research and Development -- Cincinnati, OH: University of Cincinnati, Dept. of Civil and Environmental Engineering; Columbus, OH: Ohio Dept. of Transportation, March 2006 (FHWA/OH-2006/7)

#### Geotechnical

Application of Innovation Nondestructive Methods to Geotechnical and Environmental Investigations / Neil Anderson, Steve Cardimona, and Tim Newton -- Rolla, MS: University of Missouri Rolla, Dept. of Geology and Geophysics; Jefferson City, MO: Missouri Dept. of Transportation, Research, Development and Technology, March 2003 (RDT-03-008) Report available in electronic format [http://168.166.124.22/RDT/reports/Ri98014/RDT03008a.pdf]

Development of Bilateral Data Transferability in the Virginia Department of Transportation's Geotechnical Database Management System Framework / Jaewan Yoon -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-CR4)

Establish Subgrade Support Values for Typical Soils in New England / Ramesh B. Malla and Shraddha Joshi -- Storrs, CT: University of Connecticut, Dept. of Civil and Environmental Engineering; Fall River, MA: University of Massachusetts Dartmouth, New England Transportation Consortium, April 10, 2006 (NETCR 57)

**Performance of a Pile-Supported Embankment** / Edward J. Hoppe and Stanley L. Hite -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (FHWA/VTRC 06-R36)

Stability of Column-Supported Embankments / George M. Filz and Michael P. Navin -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-CR3)

Vertical Shear-Wave Velocity Profiles Generated from Spectral Analysis of Surface Waves: Field Examples / N. Anderson et al. -- Rolla, MO: University of Missouri-Rolla, Dept. of Geology and Geophysics; Jefferson City, MO: Missouri Dept. of Transportation, Research, Development and Technology, April 2003 (RDT 03-006) Report available in electronic format only [http://168.124.22/RDT/reports/Ri01053/RDT03006.pdf]

#### **GIS/GPS**

Geo-Referenced Digital Data Acquisition and Processing System Using LiDAR Technology / Charles Toth and Dorota A. Grejner-Brzezinska -- Columbus, OH: Ohio Dept. of Transportation, Office of Research and Development, June 2005
[http://www.dot.state.oh.us/research/2006/Aerial/14799-FR.pdf]

#### **Highway Design**

**Best Practices for the Design and Construction of Low Volume Roads** / Eugene L. Skok et al. -- Rev. ed Minneapolis, MN: University of Minnesota, Dept. of Civil Engineering; St. Paul, MN: Minnesota Dept. of Transportation, Research Services Section, November 2003 (MN/RC-2002-17REV) Report available in electronic form only [http://www.lrrb.org/PDF/200217REV.pdf]

*Geometric Design Laboratory Fact Sheet* / Turner-Fairbank Highway Research Center -- Wash., DC: U.S. Dept. of Transportation, Office of Safety R&D, [2006?] (FHWA-HRT-06-101)

## **Human Resources**

Intellectual Property: A Handbook for Employees of the Virginia Department of Transportation / Virginia Transportation Research Council -- 5<sup>th</sup> ed. -- Richmond, VA: Virginia Dept. of Transportation, August 2006 [http://www.virginiadot.org/vtrc/main/online\_reports/pdf/07-r3.pdf]

*New Jersey Protection & Advocacy, Inc.: 2004-2005 Annual Report* / New Jersey Protection and Advocacy, Inc. -- Trenton, NJ: NJP&A, 2005

# **Information Management**

Success Factors for Road Management Systems: Version 1.0 / Kevin McPherson and Christopher R. Bennett -- Wash., DC: The World Bank, East Asia Pacific Transport Unit, October 2005 - Report available in electronic format only [http://trb.org/news/blurb\_detail.asp?id=6172]

# **Intelligent Transportation Systems**

Comparative Evaluation of Automated Wind Warning System: Showcase Evaluation #15 / Manjunathan Kumar and Christopher Strong -- Bozeman, MT: Montana State University, College of Engineering, Western Transportation Institute; Wash., DC: U.S. Dept. of Transportation, Research and Innovative Technology Administration, February 2006 - Report available in electronic format only [http://www.coe.montana.edu/wti/pdf/426705\_Final\_Report.pdf]

Evaluation of Idaho Transportation Department Integrated Road-Weather Information System / Battelle Institute -- Columbus, OH: Battelle; Wash., DC: U.S. Dept. of Transportation, February 2, 2006 (Contract Number: DTFH61-96-C-00077, Task Number: BA7730) Report available in electronic format only [http://www.itdoes.fhwd.dot.gov/JDocs/REPTS\_TE//14267\_files/14267.pdf]

*Intelligent Transportation Systems and Vehicle-Highway Automation 2006* / Transportation Research Board -- Wash., DC: TRB, 2006 (Transportation Research Record No. 1944)

*Intelligent Transportation Systems at International Borders: A Cross-Cutting Study* / Federal Highway Administration and Federal Transit Administration -- Wash., DC: U.S. Dept. of Transportation, April 2001 (FHWA-OP-00-003; FTA-TRI-11-99-26)

Intelligent Transportation Systems in Work Zones, A Case Study: Keeping Traffic Moving During Reconstruction of the BIG I, a Major Interstate-Interstate Interchange in Albuquerque / Tracy Scriba and Tim Luttrell -- Wash., DC: Federal Highway Administration, ITS Joint Program Office, January 2004 (FHWA-OP-04-072) Report available online [http://www.itsdocs.fhwa.dot.gov//JPODOCS/REPTS\_TE/13941.html]

A Qualitative Study of the Core Functions of Smart Traffic Centers at the Virginia Department of Transportation / Gene Tey Shin -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-R39)

Safety Applications of Intelligent Transportation Systems in Europe and Japan / John Njord et al. -- Alexandria, VA: American Trade Initiatives; Wash., DC: FHWA; AASHTO; NCHRP, January 2006 (FHWA-PL-06-001)

Wyoming Statewide Intelligent Transportation Systems (ITS) Strategic Plan [includes CD-ROM] / Meyer, Mohaddes Associates -- Boise, ID: Meyer, Mohaddes Associates; Cheyenne, WY: Wyoming Dept. of Transportation, January 2002 (FHWA-WY-01/02F)

## Marine

*Marine Board Annual Report 2005* / Transportation Research Board, Marine Board -- Wash., DC: TRB, 2006

## **Materials**

Advanced Composite Materials for New England's Transportation Infrastructure: A Study for Implementation and Synthesis of Technology Practice / Sergio F. Breña, Scott A. Civjan, and Marshall Goodchild -- Amherst, MA: University of Massachusetts Amherst, Department of Civil and Environmental Engineering; Fall River, MA: University of Massachusetts Dartmouth, New England Transportation Consortium, May 31, 2006 (NETCR 62)

Development of Statistical Analysis Guidelines for Highway Materials and Research Activities / James L. Burati, Jr. and Wei Lin -- Clemson, SC: Clemson University, Civil Engineering Dept.; Columbia, SC: South Carolina Dept. of Transportation, May 2006 (FHWA-SC-06-05) Report available online [http://www.ces.clemson.edu/t3s/scdot/pdf/projects/SPR649\_2.pdf]

*Evaluation of Capping Systems for High-Strength Concrete Cylinders* / John Eggers and Sadi Torres -- Baton Rouge, LA: Louisiana Transportation Research Center, March 2006 (FHWA-LA-06-415)

Identifying Incompatible Combinations of Concrete Materials, Volume I: Final Report / Peter C. Taylor et al. -- Skokie, IL: CTL Group; FHWA and Portland Cement Association, August 2006 (FHWA-HRT-06-079)

Identifying Incompatible Combinations of Concrete Materials, Volume II: Test Protocol / Peter C. Taylor et al. -- Skokie, IL: CTL Group; FHWA and Portland Cement Association, August 2006 (HRT-06-080)

*Implementation of New OGFC Specification* / Sam Cooper, Jr. -- Baton Rouge, LA: Louisiana Transportation Research Center, May 2006 (Research Project Capsule 04-5B)

*Implementation of Testing Equipment for Asphalt Materials* / Sam Cooper, Jr. -- Baton Rouge, LA: Louisiana Transportation Research Center, May 2006 (Research Project Capsule 06-1B)

Interim Recommendations for the Use of Lithium to Mitigate or Prevent Alkali-Silica Reaction (ASR) / Kevin J. Folliard et al. -- Austin, TX: The Transtec Group, Inc.; McLean, VA: Federal Highway Administration, Office of Infrastructure Research and Development, July 2006 (FHWA-HRT-06-073)

Job Site Evaluation of Corrosion-Resistant Alloys for Use as Reinforcement in Concrete / William H. Hartt, et al. -- Dania Beach, FL: Florida Atlantic University Sea Tech Campus, Center for Marine Materials; Gainesville, FL: Florida Dept. of Transportation, State Materials Office; McLean, VA: Federal Highway Administration, Office of Infrastructure Research and Development, June 2006 (FHWA-HRT-06-078)

Laboratory Comparison of Several Tests for Evaluating the Transport Properties of Concrete / D. Stephen Lane -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-R38)

*Laboratory Testing of Bridge Deck Mixes* [Brief] / Missouri Dept. of Transportation -- Jefferson City, MO: MoDOT, April 2003 (Research Investigation 01-044, Research Report 03-004)

Laboratory Testing of Portland Cement Concrete Patch Material, Modified to Reduce or Eliminate Shrinkage / Deb Bischoff and Amanda Toepel -- Madison, WI: Wisconsin Dept. of Transportation, DTID/BHC/Pavements Section/Technology Advancement Unit, July 2004 (WI-

01-04) Report available in electronic format only [http://www.state.wi.us/library/research/docs/finalreports/tau-finalreports/concretepatch.pdf]

Materials-Related Forensic Analysis and Specialized Testing: "Develop and Evaluate a Plan for a Consistency Evaluation of Hot-Mix Asphalt Plant Production" / Michael Boyle -- Devon, PA: Valley Forge Laboratories, Inc.; Harrisburg, PA: Pennsylvania Dept. of Transportation, Office of Planning and Research, October 4, 2005, rev. March 3, 2006 (FHWA-PA-2005-005+98-32-13)

**Protocol to Identify Incompatible Combinations of Concrete Materials** [Tech Brief] / Federal Highway Administration -- McLean, VA: U.S. Department of Transportation, Turner-Fairbank Highway Research Center, July 2006 (FHWA-HRT-06-082)

Summary Report on the Performance of Epoxy-Coated Reinforcing Steel in Virginia / R.E. Weyers, M.M. Sprinkel, and M.C. Brown -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (FHWA/VTRC 06-R29)

#### **Operations and Maintenance**

Atmospheric Visibility Measurements Using Video Cameras: Relative Visibility / Taek Mu Kwon -- Duluth, MN: University of Minnesota Duluth, Dept. of Electrical and Computer Engineering; St. Paul, MN: Minnesota Dept. of Transportation, July 2004 (CTS 04-03) Report available electronically [http://www.cts.umn.edu/pdf/CTS-04-03.pdf]

*Communicating Changes in Horizontal Alignment* / Richard W. Lyles and William C. Taylor -- Wash., DC: Transportation Research Board, 2006 (NCHRP Report 559)

Hurricane Katrina, Hospital Decision Making in the Wake of Katrina: The Case of New Orleans / Lucy A. Arendt and Daniel B. Hess -- Buffalo, NY: The State University of New York - Buffalo, January 2006 (Hurricane Katrina, Volume 1: Emergency Response) (MCEER-06-SP01) [http://mceer.buffalo.edu/publications/Katrina/06-SP01.asp]

Identifying and Assessing Key Weather-Related Parameters and Their Impacts on Traffic Operations Using Simulation / Li Zhang and Peter Holm -- Colorado Springs, CO: ITT Industries Inc.; McLean, VA: Federal Highway Administration Office of Operations Research and Development, September 2004 (FHWA-HRT-04-131)

Impact of a Smoothness Incentive/Disincentive on Hot-Mix Asphalt Maintenance Resurfacing Costs / Kevin K. McGhee and James S. Gillespie -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (FHWA/VTRC 06-R28)

Implementation of the Rock Slope Management Project at the Virginia Department of Transportation / Edward J. Hoppe and Derek H. Whitehouse -- Charlottesville, VA: Virginia

Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-R23)

Performance Analysis of Virginia's Safety Service Patrol Programs: A Case Study Approach / Lance E. Dougald and Michael J. Demetsky -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (VTRC 06-R33)

Surface Transportation Security, Volume 11: Disruption Impact Estimating Tool - Transportation (DIETT): A Tool for Prioritizing High-Value Transportation Choke Points / David M. Friedman et al. -- Wash., DC: Transportation Research Board, 2006 (NCHRP Report 525)

Underground Transportation Systems in Europe: Safety, Operations, and Emergency Response / Steven Ernst et al. -- Alexandria, VA: American Trade Initiatives; Wash., DC: FHWA, Office of International Programs and Office of Policy; AASHTO; NCHRP, June 2006 (FHWA-PL-06-016)

#### **Pavements**

Computer-Based Guidelines for Concrete Pavements, Volume III: Technical Appendices / J. Mauricio Ruiz et al. -- Austin, TX: The Transtec Group, Inc.: McLean, VA: Federal Highway Ad-ministration, Office of Infrastructure Research and Development, January 2006 (FHWA-HRT-04-127)

Correlation of Nuclear Density Readings with Cores Cut from Compacted Roadways / Patrycja T. Padlo et al. -- Storrs, Ct: University of Connecticut, Connecticut Transportation Institute; Rocky Hill, CT: Connecticut Dept. of Transportation Institute, November 2005 (CT-2242-F-05-5)

Determination of the In-Place Hot-Mix Asphalt Layer Modulus for Rehabilitation Projects Using a Mechanistic-Empirical Procedure / Amara Loulizi, Gerardo Flintsch, and Kevin McGhee -- Blacksburg, VA: Virginia Tech Transportation Institute; Richmond, VA: Virginia Dept. of Transportation, July 2006 (FHWA/VTRC 07-CR1)

Early Opening of Portland Cement Concrete (PCC) Pavements to Traffic / James A. Crovetti and Lev Khazanovich -- Milwaukee, WI: Marquette University; Madison, WI: Wisconsin Dept. of Transportation, Division of Transportation Infrastructure Development, Research Coordination Section, September 2005 (WHRP 05-13) Report available in electronic format: [http://www.dot.wisconsin.gov/library/research/docs/finalreports/01-04earlyopen-f.pdf]

Effect of Drainage in Unbound Aggregate Bases on Flexible Pavement Performance / Mingjiang Tao and Murad Abu-farsakh -- Baton Rouge, LA: Louisiana Transportation Research Center; Louisiana Dept. of Transportation, May 2006 (Research Project Capsule 04-4GT)

*Evaluation of Transverse Joint Forming Methods for PCC Pavement* / James K. Cable et al. -- Ames, IA: Iowa State University, Center for Transportation Research and Education; Iowa Dept. of Transportation, Iowa Highway Research Board, January 2006 (IHRB Project TR-532) Report available in electronic format [http://www.ctre.iastate.edu/reports/transverse\_joint.pdf]

Guide for Curing Portland Cement Concrete Pavements, Volume II / Toy S. Poole -- Vicksburg, MS: USAE Research and Development Center (ERDC), Structures Laboratory; McLean, VA: Federal Highway Administration, August 2006 (FHWA-HRT-05-038)

Highway Concrete Pavement Technology Development and Testing, Volume I: Field Evaluation of Strategic Highway Research Program (SHRP) C-202 Test Sites (Alkali-Silica Reaction (ASR)) / Paul Krauss, Jagannath Mallela, and Brian Aho -- Northbrook, IL: Wiss, Janney, Elstner Associates, Inc.; McLean, VA: Federal Highway Administration, Office of Engineering and Highway Operations R&D, August 2006 (FHWA-RD-02-082)

Highway Concrete Pavement Technology Development and Testing, Volume II: Field Evaluation of Strategic Highway Research Program (SHRP) C-203 Test Sites (Freeze-Thaw Resistance) / Donald J. Janssen -- Champaign, IL: ERES Division of Applied Research Associates, Inc.; McLean, VA: Federal Highway Administration, Office of Engineering and Highway Operations R&D, August 2006 (FHWA-RD-02-083)

Highway Concrete Pavement Technology Development and Testing, Volume III: Field Evaluation of Strategic Highway Research Program (SHRP) C-205 Test Sites (High Performance Concrete) / Jagannath Mallela, Leslie Titus-Glover, and H. Thomas Yu -- Champaign, IL: ERES Division of Applied Research Associates, Inc.; McLean, VA: Federal Highway Administration, Office of Engineering and Highway Operations R&D, August 2006 (FHWA-RD-02-084)

Highway Concrete Pavement Technology Development and Testing, Volume IV: Field Evaluation of Strategic Highway Research Program ({SHRP) C-206 Test Sites (Early Opening of Full-Depth Pavement Repairs) / H. Thomas Yu, Jagannath Mallela, and Michael I. Darter -- Champaign, IL: ERES Division of Applied Research Associates, Inc.; McLean, VA: Federal Highway Administration, Office of Engineering and Highway Operations Research and Development, August 2006 (FHWA-RD-02-085)

Highway Concrete Pavement Technology Development and Testing, Volume V: Field Evaluation of Strategic Highway Research Program (SHRP) C-206 Test Sites (Bridge Deck Overlays) / Stephen R. Boyd and Paul D. Krauss -- Champaign, IL: ERES Division of Applied Research Associates, Inc.; McLean, VA: Federal Highway Administration, Office of Engineering and Highway Operations R&D, August 2006 (FHWA-RD-02-086)

*Investigation of Dowel Bar Placement Accuracy with a Dowel Bar Inserter* / Missouri Dept. of Transportation -- Jefferson City, MO: MoDOT, Research, Development and Technology, April 2003 (RDT03-009) Report available in electronic format only [http://168.166.124.22/RDT/reports/Rio1049/RDT03009.pdf]

Investigation of Pavement Cracking on SR-4 and Demonstration of Multi-Head Breaker in Fracturing Reinforced PCC Pavements Before AC Overlay / Arudi Rajagopal -- Cincinnati, OH: Infrastructure Management & Engineering, Inc.; Columbus, OH: Ohio Dept. of Transportation, May 2006 (FHWA/OH-2006/12) Report available electronically [http://www.dot.state.oh.us/divplan/research]

Investigation of the Impact of Increased Winter Load Limits / Jill M. Ovik and John A. Siekmeier -- Maplewood, MN: Minnesota Dept. of Transportation, Office of Materials and Road Research Section; St. Paul, MN: Minnesota Dept. of Transportation, Office of Research Services, March 2004 (MN/RC-2004-25) Report available in electronic format [http://www.lrrb.gen.mn.us/pdf/200425.pdf]

Long-Term Pavement Performance Program (LTPP) Materials Reference Library (MRL) [Product Brief] / Jack Springer -- Washington, DC: Federal Highway Administration, Turner-Fairbank Highway Research Center, June 2006 (FHWA-HRT-06-116)

Low Temperature Cracking of Asphalt Concrete Pavements / Mihai O. Marasteanu et al. -- Minneapolis, MN: University of Minnesota, Department of Civil Engineering; St. Paul, MN: Minnesota Dept. of Transportation, Office of Research Services, March 2004 (MN/RC-2004-23) Report available in electronic format only [http://www.lrrb.org/pdf/200423.pdf]

LTPP Data Analysis: Optimization of Traffic Data Collection for Specific Pavement Design Applications [TechBrief] / Turner-Fairbank Highway Research Center -- McLean, VA: Federal Highway Administration, August 2006 (FHWA-HRT-06-111)

*LTPP Product List* / Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, 2006 (FHWA-HRT-06-119)

*Mechanistic Flexible Pavement Overlay Design Program* / Zhong Wu and Kevin Gaspard -- Baton Rouge, LA: Louisiana Transportation Research Center, July 2006 (Research Project Capsule 06-2P)

Optimization of Traffic Data Collection for Specific Pavement Design Applications / A.T. Papagiannakis et al. -- Reno, NV: Nicholas Consulting Engineers; Pullman, WA: Washington State University, Dept. of Civil and Environmental Engineering; McLean, VA: Federal Highway Administration, Office of Infrastructure Research and Development, May 2006 (FHWA-HRT-05-079)

**Performance Evaluation of Cold In-Place Recycling Projects in Arizona** / J. Mallela, H.L. Von Quintus, and K.L. Smith -- Champaign, IL: Applied Research Associates, Inc.; Phoenix, AZ: Arizona Dept. of Transportation, March 2006 (FHWA-AZ-06-460)

Performance Testing of Experimental Dowel Bar Retrofit Designs, Part 1: Initial Testing / Trevor R. Odden, Mark B. Snyder, and Arturo E. Schultz -- Minneapolis, MN: University of Minnesota, Dept. of Civil Engineering; St. Paul, MN: Minnesota Dept. of Transportation, December 2003 (MN/RC-2004-17A) Report available in electronic format only [http://www.lrrb.gen.mn.us/pdf/200417A.pdf]

Performance Testing of Experimental Dowel Bar Retrofit Designs, Part 2: Repeatability and Modified Designs / Nicholas A. Popehn, Arturo E. Schultz, and Mark B. Snyder -- Minneapolis, MN: University of Minnesota, Dept. of Civil Engineering; St. Paul. MN: Minnesota Dept. of Transportation, December 2003 (MN-RC 2004-17B) Report available in electronic format only [http://www.lrrb.org/PDF/200417B.pdf]

Quantification of Smoothness Index Differences Related to LTPP Equipment Type [TechBrief] / Turner-Fairbank Highway Research Center -- McLean, VA: Federal Highway Administration, July 2006 (FHWA-HRT-06-064)

Report to the Governor and the Legislature on New Jersey's Roadway Pavement System, Fiscal Year 2005 / New Jersey Dept. of Transportation, Design Services Div. -- Trenton, NJ: NJDOT, January 2006

Simple Performance Tests: Summary of Recommended Methods and Database [includes CD-ROM] / Matthew Witczak -- Washington, DC: Transportation Research Board, 2005 (NCHRP Report 547)

Summary of Evaluation Findings for 30-Meter Handheld and Mobile Pavement Marking Retroreflectometers / Highway Innovative Technology Evaluation Center -- Reston, VA: HITEC, March 2001 (CERF Report 40525)

Truck/Pavement/Economic Modeling and In-Situ Field Test Data Analysis Applications, Volume 2: Verification and Validation of Finite Element Models for Rigid Pavement Using In Situ Data - Selection of Joint Spacing / Shad M. Sargand and Basel Abdalla -- Cincinnati, OH: University of Cincinnati, Dept. of Civil and Environmental Engineering; Columbus, OH: Ohio Dept. of Transportation, June 2006 (Report Number FHWA/OH-2006/3B) [http://www.dot.state.oh.us/research/Pavements.htm]

*Two-Lift Portland Cement Concrete Pavements to Meet Public Needs* / James K. Cable and Daniel P. Frentress -- Ames, IA: Iowa State University, Center for Transportation Research and Education; Wash., DC: U.S. Dept. of Transportation, Federal Highway Administration, September 2004 (DTF61-01-X-00042 {Project 8})

*Use of the Digital Surface Roughness Meter in Virginia* / David W. Mokarem -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, July 2006 (VTRC 07-R4)

Using Fiber-Optic Sensor Technology to Measure Strains Under the Asphalt Layer of a Flexible Pavement Structure / Stephen R. Sharp, Khaled A. Galal, and Mohamed K. Elfino -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, August 2006 (VTRC-07-R5)

#### Quality

*Measuring Performance Among State DOTs* / American Association of State Highway and Transportation Officials, Standing Committee on Quality -- Wash., DC: AASHTO, March 2006

#### Rail

*Railways* / Transportation Research Board -- Wash., DC: TRB, 2006 (Transportation Research Record No. 1943)

#### Research

**Development of the Connecticut Product Evaluation Database Application** / Darrell E. Smith -- Storrs, CT: University of Connecticut, Connecticut Transportation Institute; Rocky Hill, CT: Connecticut Dept. of Transportation, March 2006 (CT-2239-01-06-3)

*New Jersey Department of Transportation Sponsored Research Projects* / National Center for Transportation and Industrial Productivity (NCTIP) -- Newark, NJ: New Jersey Institute of Technology, May 2003 (Research at NCTIP)

Research on Women's Issues in Transportation: Report of Conference, Volume 1: Conference Overview and Plenary Papers (Chicago, Illinois: November 18-20, 2004) / Transportation Research Board -- Wash., DC: Transportation Research Board, 2006 (Conference Proceedings 35)

Washington State Transportation Center, Biennial Report 2004 to 2005 / Amy O'Brien, ed. -- Olympia, WA: Washington State Transportation Center, 2005

# **Safety & Human Performance**

Core Competencies For Highway Safety Professional / NCHRP -- Wash., DC: Transportation Research Board, May 2006 (Research Results Digest 302)

The Effectiveness and Safety of Traffic and Non-Traffic Related Messages Presented on Changeable Message Signs (CMS) / Kathleen A. Harder, John Bloomfield, and Benjamin J. Chihak -- Minneapolis, MN: University of Minnesota, Center for Sustainable Building Research; St. Paul, MN: Minnesota Dept. of Transportation, Office of Research Services, June 2003 (MN/RC - 2004-27) Report available in electronic format only [http://www.lrrb.gen.mn.us/pdf/200427.pdf]

Evaluation of a Proposal to Set a Goal for the Virginia Strategic Highway Safety Plan of a Forty Percent Reduction in Traffic Fatalities and Injuries by 2010 / Young-Jun Kweon -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (FHWA/VTRC 06-R34)

*Factors Affecting Young Driver Safety* / Lisa Aultman-Hall and Patrycja Padlo -- Storrs, CT: University of Connecticut, Connecticut Transportation Institute; Rocky Hill, CT: Connecticut Dept. of Transportation, December 2004 (JHR 04-298)

Federal Outdoor Impact Laboratory Fact Sheet: Improving Transportation Safety Through Motor Vehicle Crash Testing / Turner-Fairbank Highway Research Center, Office of Safety R&D -- McLean, VA: Federal Highway Administration (FHWA-HRT-06-107)

FHWA/NHTSA National Crash Analysis Center Fact Sheet: Cooperatively Advancing New Technology and Tools for Crash Analyses / Turner-Fairbank Highway Research Center -- McLean, VA: Federal Highway Administration, (FHWA-HRT-06-110)

*Improving Pedestrian Safety at Unsignalized Crossings* / Kay Fitzpatrick et al. -- Wash., DC: Transportation Research Board, 2006 (TCRP Report 112 / NCHRP Report 562)

Improving Road Safety in Developing Countries: Opportunities for U.S. Cooperation and Engagement - Workshop Summary / Joseph R. Morris and TRB Planning Committee for the Workshop on Traffic Safety in Developing Nations -- Wash., DC: Transportation Research Board, 2006 (TRB Special Report 287)

Intersection Decision Support: Evaluation of a Violation Warning System to Mitigate Straight Crossing Path Collisions / Vicki L. Neale et al. -- Blacksburg, VA: Virginia Tech Transportation Institute; Charlottesville, VA: Virginia Transportation Research Council, April 2006 (FHWA/VTRC 06-CR10)

*SafetyAnalyst* / Turner-Fairbank Highway Research Center, Office of Safety Research and Development -- McLean, VA: Federal Highway Administration, [2006?] (FHWA-HRT-06-124) [www.safetyanalyst.org]

Safety Impacts and Other Implications of Raised Speed Limits on High-Speed Roads / Kara Kockelman -- Wash., DC: Transportation Research Board, March 2006 (NCHRP Web-Only Document 90, Project 17-23) Report available in electronic format only [http://www.trb.org/publications/nchrp\_w90.pdf]

Statistical Methods and Crash Prediction Modeling / Transportation Research Board -- Wash., DC: TRB, 2006 (Transportation Research Record No. 1950)

## **Security**

Assessing and Managing Risk of Terrorism to Virginia's Interdependent Transportation Systems / K.G. Crowther et al. -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, October 2004 (VTRC 05-CR6) Report available in electronic format [http://www.virginiadot.org/vtrc/main/online%5Freports/pdf/05-cr6.pdf]

Intermodal Cargo Transportation: Industry Best Security Practices / John J. Publicover, Jr. -- Cambridge, MA: U.S. Dept. of Transportation, Research and Special Programs Administration, John A. Volpe National Transportation Systems Center, May 1999

National Strategy for Combating Terrorism / George W. Bush, president -- [Wash., DC], September 2006 (Report available in electronic format http://www.whitehouse.gov/nsc/nsct/2006/)

Public Transport Security, Volume 11: Security Measures for Ferry Systems / Science Applications International Corp. -- Wash., DC: Transportation Research Board, 2006 (TCRP Report 86)

Report of the Interagency Commission on Crime and Security in the U.S. Seaports / Interagency Commission on Crime and Security in U.S. Seaports -- Wash., DC: The Commission, August 2000

Report of the Interagency Commission on Crime and Security in the U.S. Seaports: Abstract / Interagency Commission on Crime and Security in U.S. Seaports -- Wash., DC: The Commission, Fall 2000

Resources Directory for Security Practices in the Transportation of Agricultural and Food Commodities / American Trucking Associations, Agricultural and Food Transporters Conference -- Alexandria, VA: AFTC, 2004

*Security* / Transportation Research Board -- Washington, DC : TRB, 2005 (Transportation Research Record No. 1938)

# **State Specifications**

Development of Object-Oriented Design and Specifications for Iowa DOT and Urban Standards: Phase 1 / Edward J. Jaselskis et al. -- Ames, IA: Iowa State University, Center for Transportation Research and Education; Ames, IA: Iowa Dept. of Transportation, October 2004 (Iowa DOT Project TR-487) Report available in electronic format only [http://www.operationsresearch.dot.state.ia.us/reports/reports-pdf/hr-and-tr/reports/tr487.pdf]

## **Technology Transfer**

Field Demonstration of Magnetic Tomography Technology for Determination of Dowel Bar Position in Concrete Pavement / Shaabbir Hossain and Mohamed K. Elfino -- Charlottesville, VA: Virginia Transportation Research Council; Richmond, VA: Virginia Dept. of Transportation, June 2006 (FHWA/VTRC 06-R40)

## **Traffic**

Coordinated Freeway and Arterial Operations Handbook / Thomas Urbanik et al. -- McLean, VA: Science Applications International Corporation (SAIC); Federal Highway Administration, Office of Operational Research and Development, May 2006 (FHWA-HRT-06-095)

Ramp Management and Control Handbook / Leslie Jacobson et al. -- Rockville, MD: PB Farradyne; Wash., DC: Federal Highway Administration, Office of Transportation Management, January 2006 (FHWA-HOP-06-001) Report available in electronic format only [http://www.itsdocs.fhwa.dot.gov//JPODOCS/REPTS\_TE//14242.htm]

Remote Sensing Change Analysis Methodology to Support Traffic Monitoring Programs:

Phase 2 / Reginald R. Souleyrette et al. -- Ames, IA: Iowa State University, Center for
Transportation Research and Education; Iowa Dept. of Transportation, June 2004 (CTRE 03-147)

*Traffic Data Collection Methodologies* / Jim French and Millie French -- Smithfield, PA: French Engineering, LLC; Harrisburg, PA: Pennsylvania Dept. of Transportation, Bureau of Planning and Research, April 2006 (FHWA-PA-2006-005-040219)

#### **Transit**

**Bus Use of Shoulders** / Peter C. Martin -- Wash., DC: Transportation Research Board, 2006 (TCRP Synthesis 64)

Innovative Techniques in the Planning and Financing of Public Transportation Projects / Transit Cooperative Research Program -- Wash., DC: TCRP, May 2006 (Research Results Digest 77)

*Transit Agency Participation in Medicaid Transportation Programs* / Kenneth I. Hosen and Elisabeth Fetting / Wash., DC: Transportation Research Board, 2006 (TCRP Synthesis 65)

*Using Archived AVL-APC Data to Improve Transit Performance and Management* / Peter G. Furth et al. -- Wash., DC: Transportation Research Board, 2006 (TCRP Report 113)

# **Work Zones**

**Determining the Major Causes of Highway Work Zone Accidents in Kansas** / Young Bai and Yingfeng Li -- Lawrence, KS: University of Kansas, Civil, Environmental & Architectural Engineering Dept.; Topeka, KS: Kansas Dept. of Transportation, Bureau of Materials and Research, June 2006 (K-TRAN: KU-05-1)

**Development of an NCHRP Report 350 TL-3 New Jersey Shape 50-inch Portable Concrete Barrier** / James C. Kennedy, Jr., Chuck A. Plaxico, and Charles R. Miele -- Cincinnati, OH: Battelle Memorial Institute; Columbus, OH: Ohio Dept. of Transportation, June 2006 (FHWA/OH-2006/16)

#### **Reference**

**2006 AASHTO Provisional Standards** / American Association of State Highway and Transportation Officials -- Wash., DC: AASHTO, July 2006

Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Part 1A: Specifications / American Association of State Highway and Transportation Officials -- 26<sup>th</sup> ed. -- Wash., DC: AASHTO, 2006

Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Part 1B: Specifications / American Association of State Highway and Transportation Officials -- 26<sup>th</sup> ed. -- Wash., DC: AASHTO, 2006

Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Part 2A: Tests / American Association of State Highway and Transportation Officials -- 26<sup>th</sup> ed. -- Wash., DC: AASHTO, 2006

Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Part 2B: Tests / American Association of State Highway and Transportation Officials -- 26<sup>th</sup> ed. -- Wash., DC: AASHTO, 2006

Straight Line Diagrams 2006 [CD-ROM] / New Jersey Dept. of Transportation, Bureau of Transportation Data Development -- Trenton, NJ: NJDOT, 2006 [available on NJDOT website at <a href="http://www.state.nj.us/transportation/refdata">http://www.state.nj.us/transportation/refdata</a>]